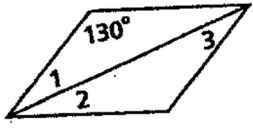
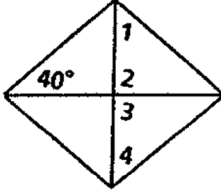


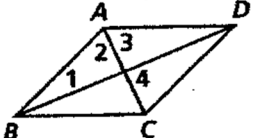
Name \_\_\_\_\_ Period \_\_\_\_\_

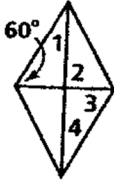
Geometry Unit 8 Worksheet #11 – Review of Special Quadrilaterals

For #1-4, find the measure of the numbered angles of the rhombus.

1)  1 = \_\_\_\_\_  
2 = \_\_\_\_\_  
3 = \_\_\_\_\_

2)  1 = \_\_\_\_\_  
2 = \_\_\_\_\_  
3 = \_\_\_\_\_  
4 = \_\_\_\_\_

3)  $m\angle ABC = 44$   
 1 = \_\_\_\_\_  
2 = \_\_\_\_\_  
3 = \_\_\_\_\_  
4 = \_\_\_\_\_

4)  1 = \_\_\_\_\_  
2 = \_\_\_\_\_  
3 = \_\_\_\_\_  
4 = \_\_\_\_\_

For #5-10, use rectangle GHJK, given  $m\angle 1 = 37^\circ$ .

5)  $m\angle 2 =$  \_\_\_\_\_

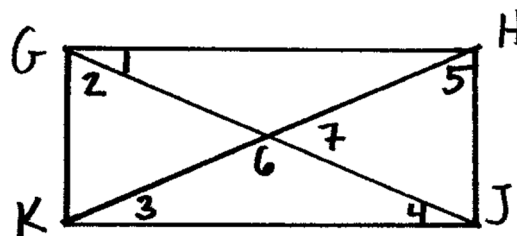
6)  $m\angle 3 =$  \_\_\_\_\_

8)  $m\angle 5 =$  \_\_\_\_\_

7)  $m\angle 4 =$  \_\_\_\_\_

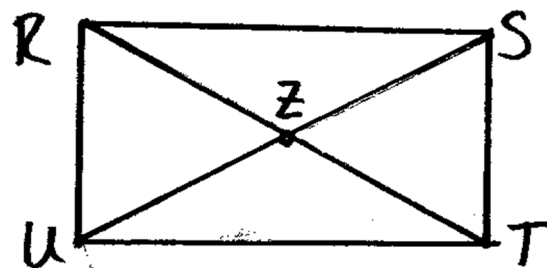
9)  $m\angle 6 =$  \_\_\_\_\_

10)  $m\angle 7 =$  \_\_\_\_\_

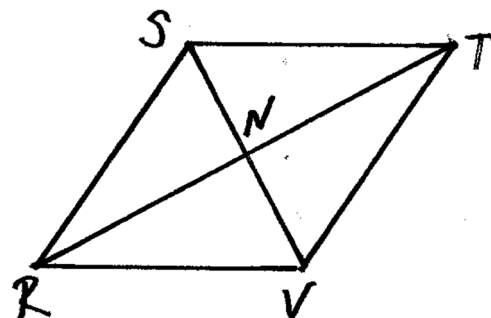


For #11, RSTU is a rectangle.

11) If  $RT = x + 21$  and  $US = 3x - 15$ , find  $x$  and  $US$ .

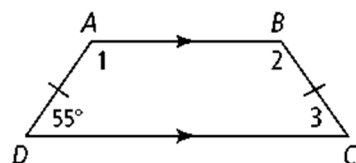


12) Use rhombus RSTV with  $SV = 18$  and  $TR = 24$  to find  $SR$ .



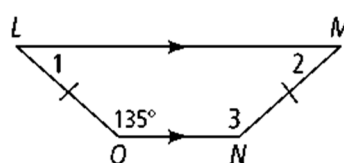
For #13 - 14 , find the measures of the missing angles in the trapezoids.

13)



$\angle 1 = \underline{\hspace{1cm}} \quad \angle 2 = \underline{\hspace{1cm}} \quad \angle 3 = \underline{\hspace{1cm}}$

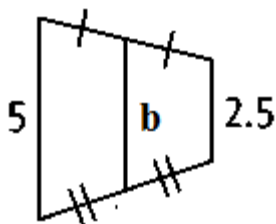
14)



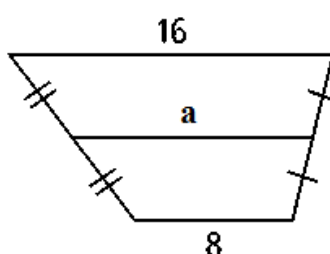
$\angle 1 = \underline{\hspace{1cm}} \quad \angle 2 = \underline{\hspace{1cm}} \quad \angle 3 = \underline{\hspace{1cm}}$

For #15 - 17, find the value of the variable in the trapezoid.

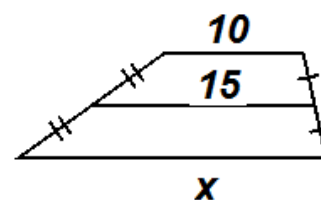
15)



16)

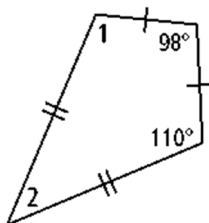


17)



For #18 - 20, find the missing angles in the kite.

18)



$\angle 1 = \underline{\hspace{1cm}} \quad \angle 2 = \underline{\hspace{1cm}}$

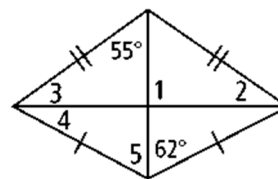
19)



$\angle 1 = \underline{\hspace{1cm}} \quad \angle 2 = \underline{\hspace{1cm}}$

$\angle 3 = \underline{\hspace{1cm}}$

20)

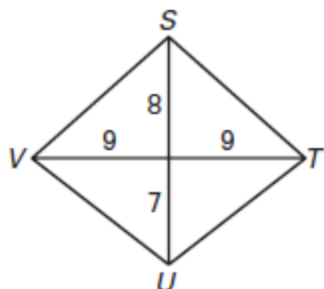


$\angle 1 = \underline{\hspace{1cm}} \quad \angle 2 = \underline{\hspace{1cm}}$

$\angle 3 = \underline{\hspace{1cm}} \quad \angle 4 = \underline{\hspace{1cm}}$

For #21-22, solve for the sides of the kite using Pythagorean theorem. Round to the tenths place.

21)



22)

